

100kW-150kW RESONANT ROTARY DRIVERS

FINESSE and CONTROL

Resonance Technology International (RTI) manufactures the world's first truly Resonant Drill that maximizes production by continuously tuning to the natural frequency of the casing and soil, as they change with depth.

The RRD does not use eccentric masses. This allows completely independent control over force, amplitude, frequency and power. Drillers can get full power and full force at any frequency.

The driller can increase or reduce amplitude and force to safely and productively drive light, short casing or long, heavy casing with the same drill head to help eliminate broken casings.

The RRD will start and stop vibrating at the target frequency, eliminating shaking of the base machine during 'run up' and 'run down' with every casing change.

RTI's revolutionary piston - cylinder design is simple, has fewer moving parts than conventional sonic drills and has no bearings subject to eccentric loads.



RRD100-RRD150

100kW-150kW RESONANT ROTARY DRIVERS

Specifications RRD 150



Length	1100 mm	44 in
Width	500 mm	20 in
Depth	500 mm	20in
Weight	900 kg	1980 lbs
Power	150 kW	203 hp
Force	145 kN	32600 lbs
Amplitude	3-6 mm	1/8-1/4 in
Frequency	50-160 Hz	50-160 Hz
Rotary	100 rpm	100 rpm
Torque	5000 Nm	3687 ftlbs
Retract	130 kN	29250 lbs
Feed	130 kN	29250 lbs



Specifications RRD 100

Length	1000 mm	40 in
Width	500 mm	20 in
Depth	500 mm	20 in
Weight	680 kg	1500 lbs
Power	100 kW	136 hp
Force	115 kN	25850 lbs
Amplitude	3-6 mm	1/8-1/4 in
Frequency	50-160 Hz	50-160 Hz
Rotary	100 rpm	100 rpm
Torque	4000 Nm	2950 ftlbs
Retract	100 kN	22500 lbs
Feed	100 kN	22500 lbs

RRD100-RRD150